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Werk, Oberschöneweide (TRO)

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PLACE
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1. Enclosed are photostated technical reports No. U 50097 dated 4 July 1949, entitled "Über den 400 KV Topfstromwandler Bauform AOF 400/3" and No. U 50096 dated 10 November 1949, entitled "Über die 400 KV Stromwandlerkaskade."
2. These reports are sent to you for retention in the belief that they may be of interest to you.

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Editor: Kurt Walther.

Factory TRO Division Tr/Kst 2

dated 4.7. 1949.

(Transl. from German [REDACTED])

SUMMARY

The report describes an one-step pot current transformer for 400 kV (V = 900 kV) with 3 cores. This construction was chosen in order to obtain an excess current number of $n > 15$.

The carrying out of the condenser is remarkable in that it consists of separate cardboard tubes, each containing a condenser value, wrapped in soft paper.

The transportation of the transformer is carried out in tilted position on a special support and in a state ready to operate.

Besides the report contains in chapter E a new method for the computation of the excess current value.

(continues)

TEXT INDEX

Introduction.

A. Computation of the current-transformer.

1. Magnetic computation.
2. Electric computation of the winding.
3. The carrying out of the condenser.
4. Dynamic computation.

B. Construction of the current-transformer.

1. The core
2. The winding
3. The carrying out.
4. The box
5. Support for
Transportation

C. The transportation of the current transformer.

D. Curve of errors of the current transformer.

E. Determination of the excess current value.

F. The insulation test.

G. Summary.

Bibliography.